

Date: Fri, 7 May 93 16:15:04 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #555
To: Info-Hams

Info-Hams Digest Fri, 7 May 93 Volume 93 : Issue 555

Today's Topics:

(none)
Cellular Scanner (5 msgs)
Chicago Scanner Law
Confusing letters in call signs
CORRECTION Re: * * * Announcing the QRZ! ...
Heard MIR on my scanner
kill files and no-code argument (2 msgs)
Problems with TH-78A mods
PVC tubing for mast?
QSL ROUTE TA2BK
Reciprocal licences for Canada
TM-941 self-resets!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 7 May 93 21:09:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: info-hams@ucsd.edu

Subject: * SpaceNews 10-May-93 *

SB NEWS @ AMSAT \$SPC0510
* SpaceNews 10-May-93 *

BID: \$SPC0510

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SpaceNews
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MONDAY MAY 10, 1993

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

★ STS-55 NEWS ★

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Ground stations who captured SAREX telemetry are asked forward this information to the Working Group so the SAREX team can have a compiled log of the stations who were heard by the shuttle. Please send any packet downlink data you have obtained for this mission to:

STS-55 Packet Logs
c/o Frank Bauer, KA3HDO
1804 Hopefield Rd
Silver Spring, MD 20905

Please use a PC-compatible disk (3.5 inch preferred) and store the data in an ASCII format. The SAREX team will then compile this information into a database, similar to the service provided by Tom Clark, W3IWI, for the STS-35 mission. If there is a group interested in compiling this data, please contact Frank Bauer at his home address (above) or on E-Mail: ka3hdo@amsat.org

As with all SAREX flights, a special QSL card is planned for this mission. If you made a 2-way contact with the crew or hear the SAREX downlink, you qualify for a QSL card.

The IBM Amateur Radio Club of Boca Raton, Florida has volunteered to act as the QSL manager for the STS-55 SAREX mission. For the STS-55 mission, please send your QSLs to:

IBM Amateur Radio Club/1993
PO Box 1328
Boca Raton, FL 33429-1328
U.S.A.

On the outside of the envelope, please write STS-55 SWL or STS-55 QSL-2-Way depending on whether you heard the downlink or made a two-way contact.

For all QSLs, it is essential that you include an Self-Addressed, Stamped Envelope (SASE) using a large (4 inch x 9.5 inch) envelope. If an SASE or sufficient IRCs are not included with your signal report you will not receive a QSL card.

[Info via Frank H. Bauer, KA3HDO for the SAREX Working Group]

★ DOHOP TEST PROPOSED SCHEDULE ★

=====

DoHoP #3 experiment is planned for May 16th 1993. Data below is for Lincoln UK, I093RF. Times given will be minus a few seconds on the date. Stations wishing to participate are asked to uplink to RS14/A021 using CW or LSB between 435.100 and 435.110 MHz maintaining a constant uplink freq. Call "CQ DoHoP de your callsign". If not taking part by transmitting, please listen for DoHoP signals on RS-10 mode A. Reports are welcomed with particular attention to UTC, frequency, and location of station.

North American reports by packet to : W2RS @ WA2SNA.#NJ.USA.NA or via
Internet to w2rs@amsat.org

European reports by packet to : G0NKA @ GB7DTX.GBR.EU
" " " QSL to : G4CU0 via Bureau

Set shack clocks to GMT accurate to within 1 second before the 11:00 pass of RS-10. RS14 will be switched at 10:00 GMT by RS3A in Moscow. If all goes okay, then slottime = 7 mins 02 secs (11:08:48 to 11:15:50). TCA between RS10 and RS14 occurs at 11:11:22.

	DATE	AOS	LOS	LAT	LON	DURATION	
RS-10/11	05/16/1993	11:00:40	11:15:50	50.1N	31.5E	00:15:09	SOUTHWRD
RS-14	05/16/1993	11:08:48	11:17:54	50.1N	42.8E	00:09:06	NORTHWRD

SEPARATION = 925 km approx.

Slottime = 15 min 26 sec (12:48:43 to 13:04:09). TCA between RS10 and RS14 occurs at 12:56:16.

	DATE	AOS	LOS	LAT	LON	DURATION	
RS-10/11	05/16/1993	12:46:23	13:04:09	50.4N	05.0E	00:17:46	SOUTHWRD
RS-14	05/16/1993	12:48:43	13:05:06	50.4N	16.5E	00:16:22	NORTHWRD

SEPARATION = 941 km approx.

Slottime = 15 min 00 sec (14:33:31 to 14:48:31). TCA between RS10 and RS14 occurs at 14:41:11.

	DATE	AOS	LOS	LAT	LON	DURATION
--	------	-----	-----	-----	-----	----------

RS-10/11	05/16/1993	14:32:29	14:48:31	50.7N	21.4W	00:16:02	SOUTHWRD
RS-14	05/16/1993	14:33:31	14:50:54	50.7N	09.7W	00:17:23	NORTHWRD

SEPARATION = 935 km approx.

Slottime = 5 min 20 sec (16:22:12 to 16:27:32). TCA between RS10 and RS14 occurs at 16:26:05.

	DATE	AOS	LOS	LAT	LON	DURATION	
RS-10/11	05/16/1993	16:20:22	16:27:32	51.0N	47.9W	00:07:10	SOUTHWRD
RS-14	05/16/1993	16:22:12	16:36:25	51.0N	36.0W	00:14:13	NORTHWRD

SEPARATION = 949 km approx.

[Info via GONKA]

* FO-20 SCHEDULE *

=====

The following is the latest Fuji-OSCAR-20 operating schedule:

Mode JA (Analog Transponder Mode ON):

12May93 11:52 UTC -to- 13May93 10:20 UTC
19May93 10:20 UTC -to- 20May93 10:40 UTC
26May93 10:50 UTC -to- 27May93 11:08 UTC

Mode JD (Digital Transponder and Mailbox ON):

Available on all orbits except during those time periods noted above.

[Info via Kazu, JJ1WTK/3]

* FEEDBACK/INPUT WELCOMED *

=====

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107
UUCP : ...catfish.ocpt.ccur.com!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z.NJ.USA.NA
INTERNET : kd2bd@ka2qhd.ocpt.ccur.com -or- kd2bd@amsat.org

MAIL : John A. Magliacane, KD2BD
Department of Engineering and Technology
Advanced Technology Center
Brookdale Community College

Lincroft, New Jersey 07738
U.S.A.

<<= SpaceNews: The first amateur newsletter read in space! -=>>

/EX

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John A. Magliacane, KD2BD * /\ * Voice : 1-908-224-2948
Advanced Technology Center |/\| Packet : KD2BD @ NN2Z.NJ.USA.NA
Brookdale Community College |/\| Internet: kd2bd@ka2qhd.ocpt.ccur.com
Lincroft, NJ 07738 * /\ * Morse : -. -.. ..--- -..

Date: Fri, 7 May 1993 17:29:19 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!zaphod.mps.ohio-state.edu!
cs.utexas.edu!asuvax!ukma!hgpeach@network.UCSD.EDU
Subject: Cellular Scanner
To: info-hams@ucsd.edu

rc@cmr.ncsl.nist.gov (Robert Carpenter) writes:

>Quoted from p.28 of the May 3, 1993, issue of Washington Business, a Monday
>section of the Washington Post:

> "..... [House] Subcommittee [on telecommunications and finance] members
>saw a newly purchased off-the-shelf cellular telephone become a 'scanner'
>capable of picking up cellular conversations around Capitol Hill.
> "It took a technician maybe three minutes to reprogram the phone's codes
>so it could be used for eavesdropping. 'Every cellular phone is a scanner,
>and they are completely insecure', Sun Micro's Gage said.
> "His example underlined the problems of trying to legislate safeguards in
>cyberspace. Only last year, the subcommittee originated what became a law
>that makes illegal the use of scanners to eavesdrop on cellular conversations.
>Who needs a scanner?"

I keep seeing references to this being done. A similar article was posted
to one of the other groups recently talking about how two guys interfaced
a computer to a cellular phone and used it to track the calls and even location
(to the nearest cell site) of local cell phone users.

How is all this done? Can these things be unlocked just from the number
pad or is more involved? Do cell phones already have a computer interface
built-in or did these guys have to invent one?

If anyone has details on this stuff, please post.

73,
Harold

--
Harold G. Peach, Jr. <> N4FLZ _% hgpeach@s.ms.uky.edu

Date: Fri, 7 May 1993 19:24:41 GMT
From: pa.dec.com!nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: Cellular Scanner
To: info-hams@ucsd.edu

chuck@eng.umd.edu (Chuck Harris - WA3UQV) writes:

>Cordless phones do not operate in the cellular phone bands. The manufacturers
>of cordless phones did not have a big enough lobby to get them included in
>the ECPA law.

I didn't think it was the ECPA that's being discussed, but after re-reading the original posts, I guess it was. My reference was to the new scanner legislation that will prevent getting FCC approval for equipment that can automatically switch between 4 or more frequencies in the 30-960 MHz band. Most cordless phones operate in the 49 MHz band and many can switch between up to 10 different frequencies. And as was mentioned in a previous post, so does much of the public service equipment.

Gotta love them congresscritters and their amazing ability to create more ridiculous legislation than is imaginable. Let's downsize the government starting with the legislative and executive branches.

73,
Todd
N9MWB

Date: 7 May 93 14:36:48 CDT
From: agate!howland.reston.ans.net!zaphod.mps.ohio-state.edu!cs.utexas.edu!asuvax!ncar!uchinews!raistlin!timbuk.cray.com!hemlock.cray.com!cherry10!dadams@ames.arpa
Subject: Cellular Scanner
To: info-hams@ucsd.edu

In article 14367@nntpd2.cxo.dec.com, little@nuts2u.enet.dec.com (nuts2u::little) writes:

|Or cordless phones that offer 10 channel selection. Must be others such as
|public service equipment, all kinds of possibilities. Who ever said laws
|had to make sense or be enforceable?

|
|73,
|Todd
|N9MWB

Well the law seems to be enforceable in the sense that it only prohibits
the manufacture or importation of cellular capable scanners. It will not
be illegal, for example to homebrew one or two in your basement. (The
wording might make it illegal to sell these but I'm not sure.)

I wonder if you might see people selling kits? ;^) After all they could
allways sell you the kit for the non-cellular capable scanner, which
cannot be easily modified to be a cellular scanner, unless of course
you are building the whole thing from a kit, say, and are etching your
own board etc. ;^)

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

They moved all the streets around while you were sleeping last night.

Date: 7 May 93 14:23:28 CDT

From: agate!howland.reston.ans.net!gatech!asuvax!ncar!uchinews!raistlin!
timbuk.cray.com!hemlock.cray.com!cherry10!dadams@ames.arpa

Subject: Cellular Scanner

To: info-hams@ucsd.edu

In article 19372@usl.edu, jab0684@ucs.usl.edu (Boudreaux Jean A) writes:

|
|Hmm, gives me an idea Daniel. Seems to me this anti 800mhz scanner
|law also bans...get this...all the POLICE (and other public service) 800
|mhz trunking equipment. Certainly all these trunked radios have scanning
|receivers and could no doubt be easily reprogramed for the cellular
|bands.

|Just another comment on our congresscritters' stupidity.

|
|73 DE kb5udf
|kb5udf@ucs.usl.edu
|

Nope, the law explicitly provides an exception for law enforcement organizations. (ATF, FBI, CIA, local police etc.)

In other words, as far as the law is concerned, the police have a right to privacy and you dont.

In my opinion the law is unconstitutional on precisely that ground. The restrictions against violating the right to privacy which have been read into the constitution apply to government and not to individuals. (Laws, statutes, and regulations restrict citizens. The constitution is a document which determines which laws government may or may not make.)

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

They moved all the streets around while you were sleeping last night.

Date: Fri, 7 May 1993 21:02:23 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
zaphod.mps.ohio-state.edu!sdd.hp.com!nigel.msen.com!yale.edu!cs.yale.edu!
ewing@network.UCSD.EDU
Subject: Cellular Scanner
To: info-hams@ucsd.edu

David Adams (dadams@cray.com) wrote:

: I wonder if you might see people selling kits? ;^) After all they could
: allways sell you the kit for the non-cellular capable scanner, which
: cannot be easily modified to be a cellular scanner, unless of course
: you are building the whole thing from a kit, say, and are etching your
: own board etc. ;^)

How about a kit with a 200 MHz osc and a 1N56* for a downconverter?
Maybe an L and a C or two to filter. All up, about \$20 in parts?

: ---

: --David C. Adams Statistician Cray Research Inc. dadams@cray.com

* Just to see if the OFs are awake.

--

Martin Ewing AA6E ewing-martin@yale.edu (ewing@yalevm.bitnet)
Yale University Science & Engineering Computing Facility 203-432-4243

Date: 7 May 93 20:31:02 GMT
From: news-mail-gateway@ucsd.edu
Subject: Chicago Scanner Law
To: info-hams@ucsd.edu

Tom, your mention of Amateurs being excluded in many laws from scanner bans brings up an interesting point. Since most modern amateur transceivers sold today are 'scanners,' it might be impossible for municipalities to ban their use by liscensed amateurs, since we have federal permission to operate such equipment.

You might point out the matter of Hams to the Chicago City Fathers and see if it will effect them. Hams are a great asset to all government and public safety. I really think that the problem lied between the Public's right to the Public airwaves and the prohibited use of the information heard for profit and gain.

Date: 7 May 93 16:18:32 GMT
From: microsoft!wingnut!laurahal@uunet.uu.net
Subject: Confusing letters in call signs
To: info-hams@ucsd.edu

In article <1993May4.205101.4016@mks.com> richw@mks.com (Rich Wales WA6SGA/VE3) writes:

>I recently moved to Canada, and I'll be applying soon for a Canadian
>ham license (uh, I mean, "licence" :-}).

>

>Assuming I pass the exam (probably not much of a problem), I've been
>told that I'll be given an opportunity to choose my new Canadian call
>sign from at least a subset of the unused calls in my area (VE3xxx).

Around here (VE7 land), most people either pick one at random, or incorporate their name in their call. You'll be able to pick any available VE3 call. Since each Communications Canada owns a certain series of calls, they may need to get your selection released from a different office, which can take anywhere from a couple of days to a couple of weeks.

I picked a call at random at first (VE7MCR), but found it didn't work well on the air. It kept getting confused with VE7NCR, and yes I know my phonetics, but such confusion is a bit much on 2m NBFM. So I went down to the Communications Canada office and got my initials in my call (VE7LDH), and haven't had any problems since. The Prince George office assigns VE7Lxx calls, but it only took 2 days to get the release from them; Vancouver were able to verify that the call was available on the spot.

73 from Vancouver!

...laura, who is hitting the books for both her 12 WPM Morse and
Advanced qualifications...

Date: Fri, 7 May 1993 17:07:36 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sol.ctr.columbia.edu!
news.unomaha.edu!cwis!pschleck@network.UCSD.EDU
Subject: CORRECTION Re: * * * Announcing the QRZ! ...
To: info-hams@ucsd.edu

flloyd@sunburn.Corp.Sun.COM (Fred Lloyd [Phoenix SE]) writes:

>In article <rec-radio-info736753761@ve6mgs.ampr.ab.ca>
>Fred.Lloyd@west.sun.com (Fred Lloyd) writes:

>Sorry Gang, someone (ve6mgs?) has posted a private e-mail that I
>sent out to a small group which offered the QRZ CD at a special
>price. I regret to say that that I am unable to offer the CD to
>the general usnet population (despite what the message says).
>I have only a limited number of CD's myself and thus cannot fulfill
>the offer to everyone who might asks as a result of this posting.

Actually Mark is blameless in this one. At first glance, your E-mailed
message looked identical to the one that you had posted to news (and
it seemed to contain an offer that was directed to all of Usenet). So,
I passed it on to rec.radio.info without realizing that it was private
information.

Sorry for the confusion also.

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

Date: 7 May 93 20:15:19 GMT
From: ogicse!news.tek.com!tvnews!thd.tv.tek.com!bill@network.UCSD.EDU
Subject: Heard MIR on my scanner
To: info-hams@ucsd.edu

I heard the Russian space station MIR on my scanner (PRO-2006 using built-in
whip, 145.55 MHz) last week and would like to know where to send my reception

report for a QSL card. Thanks!

--

Bill McFadden Tektronix, Inc. P.O. Box 500 MS 58-639 Beaverton, OR 97077
bill@tv.tv.tek.com, ...!tektronix!tv.tv.tek.com!bill Phone: (503) 627-6920
How can I prove I am not crazy to people who are?

Date: 7 May 93 13:30:32 CDT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!agate!
msuinfo!uchinews!raistlin!timbuk.cray.com!hemlock.cray.com!cherry10!
dadams@network.UCSD.EDU
Subject: kill files and no-code argument
To: info-hams@ucsd.edu

In article w165w@garlic.sbs.com, system@garlic.sbs.com (Anthony S. Pelliccio)
writes:

|Nah... get an account on a real computer and get a kill file. :)

The problem, as I see it, is that the subject name keeps mutating, and hence
the insect is resistant to kill files. ;^)

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

They moved all the streets around while you were sleeping last night.

Date: Fri, 7 May 1993 19:53:24 GMT
From: concert!rock!banjo.concert.net!abc@decwrl.dec.com
Subject: kill files and no-code argument
To: info-hams@ucsd.edu

dadams@cray.com writes:

>system@garlic.sbs.com (Anthony S. Pelliccio) writes:

>

>|Nah... get an account on a real computer and get a kill file. :)

>

>The problem, as I see it, is that the subject name keeps mutating, and hence
>the insect is resistant to kill files. ;^)

Just kill anything from system@*.sbs.com who seem to be the only two keeping
this mess alive.

If these two would hush up, the thread would die:

system@mooch.sbs.com (Christopher Ogren)
system@garlic.sbs.com (Anthony S. Pelliccio)

-abc

--

'Whatever America hopes to bring to pass in		Alan Clegg -- CONCERT Network
the world must first come to pass in the		MCNC Center for Communications
heart of America.' Dwight D. Eisenhower		Research Triangle Park, NC

Date: 7 May 93 14:19:21
From: iccnews!gobbel@network.UCSD.EDU
Subject: Problems with TH-78A mods
To: info-hams@ucsd.edu

Yesterday I tried to do the crossband repeat mod to my Kenwood TH-78A, after getting the instructions direct from Kenwood. I removed diode #4, from the row of six that the instructions described. After doing the mod, the radio could do crossband repeat, I was happy. BUT: as soon as I put some frequencies back into memory, when the radio was turned off and back on again, it would go into idiot mode, displaying only "channel numbers" instead of actual frequencies, and not allowing any new frequencies to be entered (resetting the CPU would bring it back, with its memory erased, of course). I thought perhaps I had screwed something up when I did the mod (still a possibility), but reinserting the diode returned the radio to its original state--so whatever I did, I didn't fry any of the other diodes. The possibility remains that I accidentally broke a PC trace that went through the diode's terminal (so that reinserting the diode restored it) but I don't think so. I plan to call Kenwood and ask them how well they've actually tested this mod--apparently everything looks normal until you program at least one frequency into *each* band, then cycle the power. In the meantime: has anyone else had this problem? Has anyone done this mod and NOT had the same problem? If I've messed up the PC board, I think I'm going to be sick....

-Randy, KD6ULI

--

Internet: gobbel@ucsd.edu

Hi! I am a .signature virus. Copy me into your .signature to join in!

Date: Fri, 7 May 1993 17:18:36 GMT
From: sdd.hp.com!nigel.msen.com!fmsr17!ukma!hgpeach@decwrl.dec.com
Subject: PVC tubing for mast?
To: info-hams@ucsd.edu

How about using wooden dowl rods inside the PVC to make it more rigid? With properly sealed ends, this should work.

--
Harold G. Peach, Jr. ><> N4FLZ _% hgpeach@s.ms.uky.edu

Date: Fri, 7 May 1993 21:11:50 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
darwin.sura.net!bogus.sura.net!udel!news.intercon.com!psinntp!gdstech!gdstech!
bat@network.UCSD.EDU
Subject: QSL ROUTE TA2BK
To: info-hams@ucsd.edu

Yeah, it's a misprint. Should be DJ0UJ.

--

* Pat Masterson D12-25 | KE2LJ@KC2FD *
* Grumman Data Systems | 516-346-6316. *
* Bethpage, NY 11746 | bat@gdstech.grumman.com *

Date: Wed, 05 May 1993 00:49:15
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
darwin.sura.net!sgiblab!munnari.oz.au!jabaru.cec.edu.au!csource!
gateway@network.UCSD.EDU
Subject: Reciprocal licences for Canada
To: info-hams@ucsd.edu

Hi there,
I'm a novice operator in VK, planning a trip to Canada soon.

I'd like some info on reciprocal license agreements b/n Australia
& Canada.

I've spoken to quite a few guys from other countries, using VK calls while out here on holiday and all of them have said how great it was to use ham radio to help them get around & see the sights etc. I'm hoping to do the same when over there.

I'd like to use 2 Metres if possible, as an HT & magnetic base antenna doesn't

take up much room or weigh much. Would this band be possible for a novice ? FM phone mode of course, no packet,SSB or anything.

If anyone has any info on this subject or numbers to call (fax preferably, due to time differences) for radio clubs etc I'd be grateful.

A list of repeater freq's would be good too !

Hope I can get this together !

Cheers

Andrew VK3 MDZ

* Origin: Spectrum Radio - Melbourne's All Band Radio BBS (3:632/393.0)

Date: 7 May 93 04:25:28 GMT

From: sdd.hp.com!usc!usc!not-for-mail@decwrl.dec.com

Subject: TM-941 self-resets!

To: info-hams@ucsd.edu

My Kenwood TM-941 (2m/440/1.2Gig) xcvr will randomly reset all vfo's and memories. I made certain that no obvious wires were shorting, the power to the radio is stable. This has happened about 6 times, so far, over a period of a year. The radio can be idle, monitoring. It can be off, and when turned on, it has reset. All vfo's and all memories on all 3 bands revert to default. This leads me to believe the controller is at fault, but I am curious if anyone else has experienced this?

Thanks,

Dick WB6NGC

End of Info-Hams Digest V93 #555
